

| ISSUE CLASSIFICATION |         |
|----------------------|---------|
| Class                | Subject |
|                      |         |

PATENT NUMBER

## U.S. UTILITY Patent Application

**O.I.P.E.**

**PATENT DATE**

**SCANNED**

**Q.A.**

|                              |            |              |                |                                   |                                    |
|------------------------------|------------|--------------|----------------|-----------------------------------|------------------------------------|
| APPLICATION NO.<br>09/931669 | CONT/PRIOR | CLASS<br>372 | SUBCLASS<br>45 | ART UNIT<br><del>285</del><br>285 | EXAMINER<br><del>Harmen</del> Zahn |
|------------------------------|------------|--------------|----------------|-----------------------------------|------------------------------------|

## APPLICANTS

Jun Zheng

# TABLE

VCSEL with heat-spreading layer

PTO-2040  
12/99**ISSUING CLASSIFICATION**[illegible]

|  |  |             |   |              |
|--|--|-------------|---|--------------|
| <input type="checkbox"/> <b>TERMINAL<br/>DISCLAIMER</b>  | <b>DRAWINGS</b>                                      |             | <b>CLAIMS ALLOWED</b>   |              |
|  | Sheets Drwg.   | Figs. Drwg. | Print Fig.  | Total Claims |
| <input type="checkbox"/> The term of this patent<br>subsequent to _____ (date)<br>has been disclaimed.   | _____<br>(Assistant Examiner)           _____ (Date) |             | <b>NOTICE OF ALLOWANCE MAILED</b>   |              |
|  |  |             | <div style="text-align: center;"> <b>ISSUE FEE</b> </div> <div>             Amount Due _____ Date Paid _____           </div> |              |
| <input type="checkbox"/> The term of this patent shall<br>not extend beyond the expiration date<br>of U.S. Patent. No. _____<br><br>_____  | _____<br>(Primary Examiner)           _____ (Date)   |             |   |              |
| <input type="checkbox"/> The terminal _____ months of<br>this patent have been disclaimed.   |  |             | _____<br>(Legal Instruments Examiner)           _____ (Date)  |              |
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